

CLAIM AMENDMENTS

1 1. (currently amended) A system for preventing
2 accidents in the operation of a monitored machine or apparatus
3 [[(56)]] carried by a user, [[with]] the system comprising:
4 at least one user end device or terminal [[(2)]] with
5 [[an]] output means unit (10) for the transmission of transmitting
6 authorizing user data signals through the body of [[a]] the user,
7 and
8 at least one signal receiver [[(28)]] assigned to the
9 monitored apparatus or machine [[(56)]] and having [[an]]
10 interface unit means [[(30)]] for receiving the
11 authorizing data signals transmitted through
12 the body of the user, unit
13 means [[(36-40, 44-48)]] for checking testing the
14 received [[user]] data signals, dealing with
15 authorization and units (42, 50, 54)
16 means for outputting a clearance signal that allows
17 [[an]] operation of the at least one monitored
18 machine or apparatus [[(56)]] after a
19 successful test of the received authorizing
20 user data, and whereby the signal receiver
21 [[(28)]] is equipped and programmed to
22 terminate the

23 means for terminating output of the clearance signal
24 following a successful test of the
25 authorization data, when subsequent tests of
26 the authorization data fail.

1 2. (currently amended) The system according to claim 1
2 wherein the output unit (10) means of the user end device or
3 terminal [[(2)]] comprises [[a]] coupling unit (4) means for the
4 inductive [[and/]] or capacitive coupling of the authorizing user
5 data signal into the body of the user.

1 3. (currently amended) The system according to claim 1
2 in which the output unit (10) means of the user end device or
3 terminal [[(2)]] has a contact region [[(6)]] for direct coupling
4 of the authorizing user data signal [[in]] to the body of the user
5 [[and/]] or a signal output [[(8)]] for transmitting the
6 authorizing data signals comprising the authorization user data to
7 a device directly connected with the body of the [[first]] user.

8 4. (currently amended) The system according to claim 1
9 in which the user end device or terminal [[(2)]] is equipped and
10 programmed to transmit signals which comprise comprising a code
11 giving authorization to the user and control commands for
12 controlling the signal receiver [[(28)]].

1 5. (currently amended) The system according to claim 1
2 in which the interface unit means [[(30)]] of the signal receiver
3 [[(28)]] comprises [[a]] contact-sensitive unit which receives
4 means for receiving the signals from the user end device or
5 terminal [[(2)]] upon contact of the contact-sensitive unit means
6 with the user.

1 6. (currently amended) The system according to claim 1
2 in which the interface [[(30)]] of the signal receiver [[(28)]] has
3 [[an]] inductive [[and/]] or capacitive unit means for receiving
4 the signals of the user end device or terminal [[(2)]] by means of
5 inductive [[and/]] or capacitive signal transmission.

1 7. (currently amended) The system according to claim 1
2 in which the unit means [[(36-40, 44-48)]] of the signal receiver
3 [[(28)]] for testing the authorizing data signal [[,]] comprise a
4 correspondence register [[(46)]] with at least two storage or
5 memory locations or data for testing the authorizing data signal.

1 8. (currently amended) The system according to claim 1
2 wherein [[which]] the signal receiver [[(28)]] is equipped and
3 programmed depending upon the signal received signal from the user
4 end device or terminal [[(2)]] to access data for testing the data
5 to serve as authorization data.

1 9. (currently amended) The system according to claim 1
2 ~~wherein which at least one the user end device [[(2)]] is arranged~~
3 in or on protective clothing.

1 10. (currently amended) A user end device or terminal
2 [[(2)]] for use with the system according to claim 1 with [[an]]
3 ~~the output unit (10) means for transmitting authorizing data~~
4 signals through this body of a user.

1 11. (currently amended) A user end device or terminal
2 [[(2)]] according to claim 10 ~~with the features according to one of~~
3 ~~claims 2 [- 4]].~~

1 12. (currently amended) A user end device or terminal
2 [[(2)]] according to claim 10, for arrangement on or in protective
3 clothing.

1 13. (currently amended) A signal receiver [[(28)]] for
2 use with the system according to claim 1 with: ~~an interface (30)~~
3 ~~for receiving through a body of a user signals comprising~~
4 ~~authorization data and transmitted through the body of the user,~~
5 ~~units (36-40, 44-48) for testing the received authorizing data, and~~
6 ~~units (42, 50, 54) for producing a clearance signal upon a~~
7 ~~successful test of the authorizing data, whereby the signal~~
8 ~~receiver (28) is equipped and programmed to terminate the clearance~~

9 signal outputted as a result of a successful test of the
10 authorizing data when subsequent tests of the authorizing data
11 fail.

1 14. (currently amended) The signal receiver [[(28)]]
2 according to claim 13 with the features according to one of claims
3 5 [[- 9]].

1 15. (currently amended) Protective clothing, like for
2 example a protective helmet, protective glasses or goggles, safety
3 shoes and the like with the user end device or terminal [[(2)]]
4 according to claim 10.

1 16. (currently amended) A device or apparatus like a
2 household appliance, electric and mechanical tool, machine tool or
3 the like with the signal receiver [[(28)]] according to claim 13.

1 17. (currently amended) The system defined in claim 1,
2 further comprising:

3 a hand grip device [[with]] having
4 a hand grip based body including a hand grip outer
5 surface (7) which is engaged engageable by an
6 inner surface of [[the]] hand of the user and
7 [[has]] having a segment forming a hand rest
8 for the inner surface, and whereby
9 in the region of the hand inner surface rest at
10 least one pressure-sensitive zone (8) is formed
11 for generating a signal indicating the hand
12 grip gripping state and constituting the
13 authorizing at least one of the authorizing
14 data signals.

1 18. (currently amended) The hand grip arrangement of
2 claim 17, characterized in that it includes wherein the surface
3 has a plurality of the pressure-sensitive zones [[(8)]].

1 19. (currently amended) The hand grip device according
2 to claim 17 characterized in that wherein the pressure-sensitive
3 zone forms part of a fluid chamber system [[(9)]].

1 20. (currently amended) The hand grip ~~device~~ according
2 to claim 17, characterized in that 19 wherein the pressure-
3 sensitive zone is formed by an elastically deformable pressure
4 chamber wall.

1 21. (currently amended) The hand grip ~~device~~ according
2 to claim 17, characterized in that 19 wherein the pressure chamber
3 is filled with a liquid, gel or gas.

1 22. (currently amended) The hand grip ~~device~~ according
2 to claim 17, characterized in that 19 wherein the pressure chamber
3 is coupled with a switch device.

1 23. (currently amended) The hand grip ~~device~~ according
2 to claim 17, characterized in that 19 wherein the pressure chamber
3 is coupled with a pressure-measurement device.

1 24. (currently amended) The hand grip ~~device~~ according
2 to claim 17, characterized in that wherein the hand grip ~~device~~ in
3 the region of the hand inner surface rest has pressure-sensitive
4 zones in the hand ball rest region and in a finger inner surface
5 rest region.

1 25. (currently amended) The hand grip device according
2 to claim 17, ~~characterized in that~~ wherein in the region of the
3 hand grip device a plurality of individual finger inner surface
4 pressure-sensitive zones are provided.

1 26. (currently amended) The hand grip device according
2 to claim 17, ~~further comprising~~ characterized in that in the region
3 of the hand grip device an orientation-detecting device is
4 provided.

1 27. (currently amended) The hand grip device according
2 to claim 17, ~~characterized in that~~ wherein the hand grip device is
3 a hand grip of a drill.

1 28. (previously presented) The hand grip device
2 according to claim 17 in which a signal transmitting device is
3 ~~coupled a signal to the user~~ wherein the output means is in the
4 body.

1 29. (currently amended) The hand grip device according
2 to claim 28 ~~characterized in that the signal transmitter device the~~
3 output means is so configured that it effects a signal coupling on
4 the basis of electrostatic interaction.

1 30. (currently amended) The hand grip device according
2 to claim 17, ~~characterized in that in the hand grip device further~~
3 ~~comprising~~ a signal-modulating device is provided for the
4 modulation of the authorizing data signal imitated by the coupling
5 device.

1 31. (currently amended) The hand grip device according
2 to claim 17, ~~characterized in that wherein~~ the signal is so
3 modulated that it contains a dated telegram.

1 32. (currently amended) A power driven tool with a
2 housing device, a first hand grip device (105) according to claim
3 17, a second hand grip device (106) also according to claim 17 and
4 a device for detecting the gripping state for producing a signal
5 indicating the gripping state of the device tool.